## INTERNATIONAL SEARCH REPORT

International Application No /EP2004/007025

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12P7/66 C12N9/90

C. DOCUMENTS CONSIDERED TO BE RELEVANT

C12N9/12

C12N9/04

C12R1/01

Relevant to claim No.

According to International Patent Classification (IPC) or to both national classification and IPC

## **B. FIELDS SEARCHED**

Category °

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C12N C12R C12P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

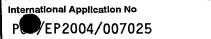
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ, EMBASE, Sequence Search

Citation of document, with indication, where appropriate, of the relevant passages

Y	WO 02/099095 A (LOPEZ-ULIBARRI RU/ ROCHE VITAMINS AG (CH); BERRY ALAI HUEMBEL) 12 December 2002 (2002-12 cited in the application the whole document	1-9							
Y	WO 02/10398 A (HAHN FREDERICK M; ADELHEID R (US)) 7 February 2002 (2002-02-07) example 14	KUEHNLE	1-9						
A	YOSHIDA H ET AL: "PRODUCTION OF UBIQUINONE-10 USING BACTERIA" JOURNAL OF GENERAL AND APPLIED MICROBIOLOGY, XX, XX, vol. 44, no. 1, 1998, pages 19-26 XP009003546 the whole document	, /	1–9						
X Fur	X Further documents are listed in the continuation of box C. X Patent family members are listed in annex.								
"A" docum consi  "E" earlier filing  "L" docum which citatic  "O" docum other  "P" docum later t	dered to be of particular relevance  document but published on or after the international date ent which may throw doubts on priority claim(s) or a is cited to establish the publication date of another on or other special reason (as specified) nent referring to an oral disclosure, use, exhibition or means tent published prior to the international filing date but than the priority date claimed	T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combined with one or more other such documents, such combination being obvious to a person skilled in the art.							
-	e actual completion of the international search	Date of mailing of the International search report							
	22 October 2004	28/10/2004							
Name and	mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  Gruber, A							

## INTERNATIONAL SEARCH REPORT



C.(Continu	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	BAJ JADWIGA: "Taxonomy of the genus Paracoccus" ACIA MICROBIOLOGICA POLONICA, vol. 49, no. 3-4, 2000, pages 185-200, XP008037036 ISSN: 0137-1320 page 197, paragraph 2	1-9
Α	WO 03/010294 A (KEIPER-HRYNKO NATALIE M; DU PONT (US); HALLAHAN DAVID L (US)) 6 February 2003 (2003-02-06) the whole document	1–9
A	WO 02/26933 A (CARGILL INC; GOKARN RAVI (US); JESSEN HOLLY (US); ZIDWICK MARY JO (US) 4 April 2002 (2002-04-04) cited in the application the whole document	1–9
A	EP 1 227 155 A (KYOWA HAKKO KOGYO KK) 31 July 2002 (2002-07-31) cited in the application the whole document	1-9
A	HUMBELIN M ET AL: "Genetics of isoprenoid biosynthesis in Paracoccus zeaxanthinifaciens" GENE: AN INTERNATIONAL JOURNAL ON GENES AND GENOMES, ELSEVIER SCIENCE PUBLISHERS, BARKING, GB, vol. 297, no. 1-2, 4 September 2002 (2002-09-04), pages 129-139, XP004388023 ISSN: 0378-1119 cited in the application the whole document	1-9

## INTERNATIONAL SEARCH REPORT Information on patent family members

International Application No PEP2004/007025

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 02099095	A	12-12-2002	CA WO EP JP US	2449885 A1 02099095 A2 1392824 A2 2004527265 T 2003148416 A1	12-12-2002 12-12-2002 03-03-2004 09-09-2004 07-08-2003
WO 0210398	A	07-02-2002	AU EP WO US US	7809801 A 1360300 A2 0210398 A2 2004194162 A1 20030333626 A1	13-02-2002 12-11-2003 07-02-2002 30-09-2004 13-02-2003
WO 03010294	Α	06-02-2003	CA EP WO US	2451430 A1 1434784 A2 03010294 A2 2003119098 A1	06-02-2003 07-07-2004 06-02-2003 26-06-2003
WO 02,26933	Α	04-04-2002	AU EP WO	9635901 A 1383864 A2 0226933 A2	08-04-2002 28-01-2004 04-04-2002
EP 1227155	Α	31-07-2002	AU CA EP WO	7686000 A 2385132 A1 1227155 A1 0127286 A1	23-04-2001 19-04-2001 31-07-2002 19-04-2001